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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

<u>Listing of Claims</u>:

(Currently Amended) A primary alkaline battery, comprising:

 a cathode comprising a cathode active material and between about 6% and about 10

 7% of carbon fibers by weight;

an anode;
a separator; and
an alkaline electrolyte.

2-7. (Canceled)

- 8. (Original) The battery of claim 1, wherein the cathode active material comprises manganese dioxide.
- 9. (Original) The battery of claim 1, wherein the cathode comprises less than about 90% of cathode active material by weight.
- 10. (Original) The battery of claim 1, wherein the cathode comprises less than about 88% of cathode active material by weight.
- 11. (Original) The battery of claim 1, wherein the cathode comprises between about 82% and about 92% of cathode active material by weight.
- 12. (Original) The battery of claim 1, wherein the cathode comprises between about 84% and about 90% of cathode active material by weight.

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13. (Original) The battery of claim 1, wherein the carbon fibers have an average diameter less than about 300 nanometers.

- 14. (Original) The battery of claim 1, wherein the carbon fibers have an average diameter between about 100 nanometers and about 250 nanometers.
- 15. (Original) The battery of claim 1, wherein the carbon fibers have an average diameter less than about 250 nanometers.
 - 16. (Original) The battery of claim 1, wherein the carbon fibers have been heat treated.
- 17. (Original) The battery of claim 16, wherein the carbon fibers have been heat treated at a temperature greater than about 2000 °C.
- 18. (Previously Presented) The battery of claim 16, wherein the carbon fibers have been heated treated at a temperature between about 2600 °C and about 3100 °C.
- 19. (Original) The battery of claim 1, wherein the carbon fibers have a length less than about 2×10^5 nanometers.
- 20. (Original) The battery of claim 1, wherein the carbon fibers have an average length between about 500 nanometers and about 200,000 nanometers.
- 21. (Original) The battery of claim 1, wherein the carbon fibers have an average length between about 70,000 nanometers and about 100,000 nanometers.
- 22. (Original) The battery of claim 1, wherein the carbon fibers have between about 1 and about 500 layers of graphite.

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23. (Original) The battery of claim 22, wherein the carbon fibers have between about 40 and about 100 layers of graphite.

- 24. (Original) The battery of claim 1, wherein the carbon fibers have an average external surface area between about $10 \text{ m}^2/\text{g}$ and about $50 \text{ m}^2/\text{g}$.
- 25. (Original) The battery of claim 1, wherein the carbon fibers have a surface energy between about 50 mJ/m² and about 300 mJ/m².
- 26. (Original) The battery of claim 1, wherein the carbon fibers have a graphitic index of less than about 85%.
- 27. (Original) The battery of claim 1, wherein the carbon fibers have an average length equal to or greater than an average particle size of the cathode active material.
- 28. (Original) The battery of claim 1, wherein the cathode further comprises a surfactant.
- 29. (Previously Presented) The battery of claim 28, wherein the surfactant is selected from the group consisting of polyvinyl alcohol, ethylene-vinyl alcohol, and polyvinylbutyrol.
- 30. (Original) The battery of claim 1, wherein the anode comprises zinc as an anode active material.
- 31. (Previously Presented) A primary alkaline battery, comprising:
 a cathode comprising manganese dioxide and between about 6% and about 10% by
 weight of heat-treated carbon fibers having an average diameter less than about 300 nanometers;
 an anode;

a separator; and

an alkaline electrolyte.

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32. (Canceled)

- 33. (Previously Presented) The battery of claim 31, wherein the cathode comprises between about 6% and about 7% of carbon fibers by weight.
- 34. (Original) The battery of claim 31, wherein the cathode has an electrical conductivity at least 3 times greater than a cathode having about 6% of graphite by weight.
- 35. (Previously Presented) A primary alkaline battery, comprising:
 a cathode comprising between about 82% and about 92% of cathode active material
 by weight and between about 6% and about 10% of heat-treated carbon fibers by weight;

an anode;

a separator; and

an alkaline electrolyte.

- 36. (Previously Presented) The battery of claim 35, wherein the cathode comprises between about 84% and about 90% of the cathode active material by weight.
 - 37. (Canceled)
 - 38. (Canceled)
- 39. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average diameter less than about 300 nanometers.
- 40. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average diameter between about 100 nanometers and about 250 nanometers.

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41. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average diameter less than about 250 nanometers.

42. (Canceled)

- 43. (Currently Amended) The battery of claim 42 35, wherein the carbon fibers have been heat treated at a temperature greater than about 2000 °C.
- 44. (Currently Amended) The battery of claim 42 35, wherein the carbon fibers have been heated treated at a temperature between about 2600 °C and about 3100 °C.
- 45. (Previously Presented) The battery of claim 35, wherein the carbon fibers have a length less than about 2×10^5 nanometers.
- 46. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average length between about 500 nanometers and about 200,000 nanometers.
- 47. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average length between about 70,000 nanometers and about 100,000 nanometers.
- 48. (Previously Presented) The battery of claim 35, wherein the carbon fibers have between about 1 and about 500 layers of graphite.
- 49. (Previously Presented) The battery of claim 48, wherein the carbon fibers have between about 40 and about 100 layers of graphite.
- 50. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average external surface area between about $10~\text{m}^2/\text{g}$ and about $50~\text{m}^2/\text{g}$.

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51. (Previously Presented) The battery of claim 35, wherein the carbon fibers have a surface energy between about 50 mJ/m² and about 300 mJ/m².

- 52. (Previously Presented) The battery of claim 35, wherein the carbon fibers have a graphitic index of less than about 85%.
- 53. (Previously Presented) The battery of claim 35, wherein the carbon fibers have an average length equal to or greater than an average particle size of the cathode active material.
- 54. (Previously Presented) The battery of claim 35, wherein the cathode further comprises a surfactant.
- 55. (Previously Presented) The battery of claim 35, wherein the surfactant is selected from the group consisting of polyvinyl alcohol, ethylene-vinyl alcohol, and polyvinylbutyrol.
- 56. (Previously Presented) The battery of claim 35, wherein the anode comprises zinc as an anode active material.